

SPECIFICATION AMENDMENTS

In the paragraph bridging pages 10 and 11, starting at page 10, line 31 and ending at page 11, line 8, please insert the following paragraph:

The hemagglutinin (HA) and cytokine response modifier B (crmB) genes have previously been utilized in the detection and differentiation of Orthopoxviruses (OPV) by PCR/RFLP analysis (Loparev et al., 2001 ; Ropp et al., 1995). Sequences for these two genes were compared among OPV identifying potential primers sets capable of generating short (~300 base pair) amplicons that contained restriction enzyme sites suitable for RFLP analysis. The following primers were identified and their location on the Variola Bangladesh genome (L22579) is given in parenthesis; SPOXHA5 - 5'-ATGCCGGTACTTATCTATGTG- 3'(151327-151347)(SEQ ID No. 26), SPOXHA3 - 5'-TCTTGTCCTGTTGTGGATTCT- 3'

(151656-151637)(SEQ ID No. 2), SPOXcrmB5 - 5' -TACCGGTCTCAGCGAATC- 3'(183227-183244)(SEQ ID No. 3), SPOXcrmB3 - 5' -ACCGTCTCTCCGAATGCGACAT- 3'(183493-183474)(SEQ ID No. 27). Primers were synthesized using standard phosphoamidite chemistry on a Beckman Oligo1000M (BeckmanCoulter, Mississauga, Ontario).

Please insert the replacement sequence listing enclosed herewith into the application.